# State of Texas Assessments of Academic Readiness (STAAR®)
# Performance Level Descriptors
# Grade 5 Mathematics

| Performance Level Descriptors |
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| The mathematical process skills describe ways in which students are expected to engage in the content. They are not assessed in isolation but are incorporated into questions that assess grade 5 content. The process skills focus on applying mathematics to solve problems, analyze mathematical relationships, and communicate mathematical ideas. |
| **Students achieving Level III: Advanced Academic Performance can**<br>• Evaluate the reasonableness of solutions to application problems involving addition, subtraction, multiplication, and division with whole numbers and decimals<br>• Apply an understanding of expressions and equations to solve multi-step problems with one variable<br>• Extend and apply geometry and measurement concepts to solve application problems |
| **Students achieving Level II: Satisfactory Academic Performance can**<br>• Use place value to identify numerical relationships<br>• Solve application problems involving addition and subtraction of positive rational numbers<br>• Solve application problems involving multiplication and division of whole numbers and decimals<br>• Represent and solve problems involving multiplication and division of whole numbers with fractions<br>• Use equations and numerical patterns to represent relationships including solving multi-step problems<br>• Identify key attributes of a coordinate plane and graph points located in the first quadrant<br>• Solve application problems involving perimeter, area, and volume<br>• Represent and solve problems involving categorical and numerical data<br>• Compare terms used to describe taxes and income |
| **Students achieving Level I: Unsatisfactory Academic Performance can**<br>• Identify place value<br>• Identify prime and composite numbers<br>• Perform addition and subtraction of whole numbers and decimals<br>• Use models to represent and solve problems involving multiplication and division of decimals<br>• Classify two-dimensional figures |